

Title (en)

Portable object authentication method by an off-line terminal, corresponding portable object and terminal

Title (de)

Verfahren zum Beglaubigen eines tragbaren Objektes mittels eines off-line Terminals, entsprechendes, tragbares Objekt und entsprechendes Terminal

Title (fr)

Procédé d'authentification d'un objet portatif par un terminal hors ligne, objet portatif et terminal correspondants

Publication

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Application

EP 94401209 A 19940602

Priority

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Abstract (en)

[origin: EP0628935A1] The invention relates to a method of authentication by an off-line terminal (1) of a portable object (2) including a processing circuit (4) able to deliver a secondary value (Rx) which depends upon a primary value (Qi) transmitted by the terminal. According to the invention, an authentication table (5) which associates a series of primary values (Qi) and a series of check values (Ui) is installed in the terminal, each check value being the transform under a one-way function of the secondary value (Rx) calculated by the circuit for processing an authentic portable object, and upon connection of a portable object with the terminal, one of the primary values (Qi) from the table is transmitted to the portable object, the one-way function is applied to the secondary value (Rx) received from the portable object and the result obtained is compared with the corresponding check value (Ui) from the table. The invention also relates to the portable object and the terminal which are adapted for this method. <IMAGE>

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Cited by

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